



GREEN BUSINESS HAWAII First Annual Recognition Program October 15, 2002



MAUNA LANI BAY HOTEL & BUNGALOWS
FRANCIS H. I'I BROWN GOLF COURSES
MAUNA LANI SPA



OVERVIEW

Mauna Lani Resort is a world-class destination resort community on 3,200 acres of land at Kalahuipua'a, on the Kohala Coast of the Island of Hawaii. This expanse of prime beach and coastal lands encompasses the former estate of Francis Hyde I'i Brown, a descendant of Hawaiian *ali'i* (royalty) known worldwide as "Mr. Golf of Hawaii" as well as a gentleman sportsman. The resort is located 30 miles north of Keahole Kona Airport where the 36-year average annual rainfall is approximately 9 inches, and the mean annual temperature is 78° F with small daily and seasonal fluctuations. Included in Mauna Lani's Master Plan are 22+ acres of historic preserves, plus an additional 23+ acres dedicated to fishpond/open space use.

Widely recognized as a pacesetter in historic preservation and stewardship of the land, Mauna Lani beckons visitors with its unparalleled spirit of place. Highlights of the Resort include the award-winning Mauna Lani Bay Hotel & Bungalows, two 18-hole championship golf courses, and acres of preserved, ancient Hawaiian fishponds, tennis courts, and the new Mauna Lani Spa.

As a recognized Hawaii Green Business, Mauna Lani focuses on environmental responsibility in all areas of its operations.

HIGHLIGHTS OF MAJOR ENVIRONMENTAL INITIATIVES

Mauna Lani Bay Hotel & Bungalows & Francis H. I'i Brown Golf Maintenance Facility **100 kW and 130 kW PowerGuard™ solar electric roof system**

- *Feeds clean AC power into the building, displacing high daytime utility rates and provides up to 10 net watts/sq. ft*
- *Protects the roof membrane from harsh UV rays and thermal degradation for 30 years.*
- *Reduces air conditioning and heating costs with R-19 insulation and roof shading.*
- *Prevents interior condensation by keeping the dew point above the roofing membrane.*

Francis H. I'i Brown Golf Courses **Suncaddy™ Solar Powered Golf Fleet**

Each converted SunCaddy car saves the energy recharging equivalent of **12 barrels of oil** or **2,200 lbs. of coal** over a conventional car's life, providing substantial air quality benefits.

- *Operates and provides a constant charge even on cool and cloudy days.*
- *Produces the most savings during sunny weather—when course usage is greatest.*
- *Cars recharge one-third faster and use a third less energy than conventional cars.*
- *Longer lasting batteries = lower fleet operating costs and higher trade-in values*
- *Batteries last longer—to an estimated 6-year life*

Mauna Lani Resort Solar-Powered Brackish Water Delivery System **250 kW PowerTracker™ solar tracking system**

- *Tracks the sun from east to west on a tilted axis, generating the maximum energy possible.*
- *Provides as much as 30% more power than fixed PV structures.*
- *Produces consistent power from early morning to late afternoon, an advantage for uniform load applications.*

Mauna Lani Resort On-Site Green Waste Composting Facility

Established 11 years ago, Mauna Lani's 5-acre green waste composting facility processes all of the green waste generated with its 3200-acre resort. The facility accepts approximately 5 tons of green waste per day and derives its moisture from effluent that is generated by Mauna Lani's on-site wastewater treatment facility. The facility breaks down green waste to high-quality compost in approximately 4~5 months. The resulting compost is both re-used on property and sold to parties outside of the resort.